

What is claimed is:

1. A drive device for a light-emitting display panel having a configuration in which, under a state in which light-emitting elements are connected to intersections of a plurality of data lines and a plurality of scanning lines, sequential scanning is executed by connection of the scanning lines to a scanning reference potential point and a reverse bias voltage for the light-emitting elements is supplied to scanning lines which are not connected to the scanning reference potential point to be in a non-scanning state, wherein

an operation during which a forward voltage is applied to all the light-emitting elements at least one time and an operation during which a reverse direction voltage is applied to all the light-emitting elements at least one time are executed in a predetermined period, whether light-emitting of the elements is executed or not in the period.

2. The drive device for a light-emitting display panel according to claim 1, wherein

the predetermined period is one scanning period, and

an operation during which a reverse direction voltage is applied to light-emitting elements connected to selected scanning lines and an operation during which a forward voltage, which does not contribute to light emitting, is applied to data lines under control for non light-emitting are executed in the one scanning period.

3. The drive device for a light-emitting display panel according to claim 1, wherein

the predetermined period is one frame period,  
a dummy scanning mode is set in the one frame period, and  
an operation during which a reverse direction voltage is applied to all light-emitting elements and an operation during which a forward voltage, which does not contribute to light emitting, is applied to all light-emitting elements are executed during the dummy scanning mode.

4. The drive device for a light-emitting display panel according to claim 1, wherein

the predetermined period is a period longer than one frame,  
a dummy scanning mode is set in the period, and  
an operation during which a reverse direction voltage is applied to all light-emitting elements and an operation during which a forward voltage, which does not contribute to light emitting, is applied to all light emitting elements are executed during the dummy scanning mode.

5. The drive device for a light-emitting display panel according to any one of claims 2 to 4, wherein

the forward voltage which does not contribute to light emitting is a forward voltage equal to or smaller than a light-emitting threshold voltage of a light-emitting element.

6. The drive device for a light-emitting display panel according to any one of claims 2 to 4, wherein

the forward voltage which does not contribute to light emitting is applied so that currents for lighting driving of light-emitting elements from a driving power supply are supplied in a short time.

7. The drive device for a light-emitting display panel according to any one of claims 2 to 4, wherein

the forward voltage which does not contribute to light emitting is applied so that a voltage from a voltage source having equal to or larger than a light-emitting threshold voltage of a light-emitting element are supplied in a short time.

8. The drive device for a light-emitting display panel according to claim 7, wherein

the voltage source having equal to or larger than a light-emitting threshold voltage of a light-emitting element is a reverse-bias-voltage source by which a reverse bias voltage is supplied to light-emitting elements in a non-scanning state.

9. The drive device for a light-emitting display panel according to any one of claims 1 to 4, wherein

the light-emitting element comprises an organic EL element using an organic compound for a light-emitting layer.

10. The drive device for a light-emitting display panel

according to claim 5, wherein

the light-emitting element comprises an organic EL element using an organic compound for a light-emitting layer.

11. The drive device for a light-emitting display panel according to claim 6, wherein

the light-emitting element comprises an organic EL element using an organic compound for a light-emitting layer.

12. The drive device for a light-emitting display panel according to claim 7, wherein

the light-emitting element comprises an organic EL element using an organic compound for a light-emitting layer.

13. The drive device for a light-emitting display panel according to claim 8, wherein

the light-emitting element comprises an organic EL element using an organic compound for a light-emitting layer.